

What is claimed is:

1. A composite particle comprised of a base particle (A) having a functional group reactable with a carbodiimide group and a carbodiimide resin (B), characterized in that the functional group of the base particle (A) and the carbodiimide group of the carbodiimide resin (B) bond each other, and a shell layer is formed which is comprised of the carbodiimide resin (B) having average thickness diameter (L), represented by the following numerical equation [1], in the range of 0.01 to 20 μ m:

$$L = (L_2 - L_1) / 2 \quad [1]$$

(wherein L_1 represents average particle diameter of the base particle and L_2 represents average particle diameter of the composite particle).

2. The composite particle according to Claim 1, characterized in that morphology of the above-described base particle (A) is true spherical or near spherical.

3. The composite particle according to Claim 1, characterized in that at least one carbodiimide group in a molecular chain of the above-described carbodiimide resin (B) bonds with the functional group of the base particle (A) to form a shell layer.

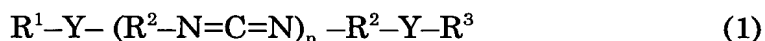
4. The composite particle according to Claim 1, characterized in that the bond of the functional group of the above-described base particle (A) and the carbodiimide group of the carbodiimide resin (B) is at least one kind selected from a carbamoyl amide bond, an isourea bond, a guanidine bond or a thiourea bond.

5. The composite particle according to Claim 1, characterized in that the

functional group of the above-described base particle (A) is at least one active hydrogen group selected from a hydroxyl group, a carboxyl group, an amino group or a thiol group.

6. The composite particle according to Claim 1, characterized in that the above-described base particle (A) is a thermoplastic resin.

7. The composite particle according to Claim 1, characterized in that the above-described carbodiimide resin (B) is a carbodiimide resin represented by the following chemical formula (1):



(wherein R^1 and R^3 represent hydrogen or an organic residue having a carbon number of 1 to 40, which is obtained from a compound having a functional group reactable with an isocyanate group left by the functional group, and may be the same or different, and R^2 represents an organic residue which is a diisocyanate left by the isocyanate group, wherein said diisocyanate may be a different type. Y represents a bond formed by the above-described isocyanate group and the above-described functional group reactable with the above-described isocyanate group, and "n" is average degree of polymerization, being in the range of 1 to 100. And R^1-Y and $Y-R^3$ may be an isocyanate group itself on the way to carbodiimidation.)

8. The composite particle according to Claim 7, characterized in that the above-described carbodiimide resin (B) has at least one kind of a hydrophilic segment, and is water-soluble.

9. A method for producing the composite particle according to anyone of Claims 1 to 8, characterized by comprising the first step wherein a base particle (A) having a functional group reactable with a carbodiimide group

and a carbodiimide resin (B) are mixed or immersed in the presence of at least one kind of a solvent selected from an organic solvent or water which is a non-solvent of the former but a solvent of the latter, to sufficient degree that the latter is impregnated at a surface layer part of the former, and consecutively the second step wherein at the surface of the base particle (A), a shell layer which is comprised of the carbodiimide resin (B) is formed so as to cover the base particle (A), by a reaction of a functional group of the former with a carbodiimide group of the latter.

10. The method for producing the composite particle according to Claim 9, characterized in that the above-described base particle (A) is a particle preliminarily obtained by suspension polymerization, emulsion polymerization, dispersion polymerization or seed polymerization.

11. The method for producing the composite particle according to Claim 9, characterized in the first step that the base particle (A) is immersed in a solution which is obtained by dissolving the carbodiimide resin (B) in at least one kind of a solvent selected from an organic solvent or water.